

ABSTRACT OF THE DISCLOSURE

An optical apparatus. The optical apparatus is applied to an object surface, comprising a frame, a light emitting device and an optical sensor. The frame is disposed in the optical apparatus, having a first compartment and a second compartment, wherein the first compartment has a first opening and the second compartment has a second opening. The light emitting device is disposed in the first compartment, wherein light emitted from the light emitting device passes through the first opening and is reflected by the object surface outside the frame. The optical sensor is disposed in the second compartment to receive light reflected from the object surface passing through the second opening.